| Ir | ndex of | f Claii | ms |
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|    |         |         |    |

| _ | Application No. | Applicant(s) |  |
|---|-----------------|--------------|--|
|   | 10/812,257      | TSAI ET AL.  |  |
|   | Examiner        | Art Unit     |  |
|   | Tuyen Q Tra     | 2873         |  |

| √ | Rejected | 1 | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| = | Allowed  | + | Restricted                     |

| N | Non-Elected  | Α | Appeal   |
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| _ | Interference | 0 | Objected |

| Cla           |          |          |          |          |  |  |              |                    |                 | Cla      | im       |          | _        |  |              | ate       |          | _             |          |          |          | Cla      | aim      |              |            |          | Da      | te      |         | _       |  |          |          |
|---------------|----------|----------|----------|----------|--|--|--------------|--------------------|-----------------|----------|----------|----------|----------|--|--------------|-----------|----------|---------------|----------|----------|----------|----------|----------|--------------|------------|----------|---------|---------|---------|---------|--|----------|----------|
| <u></u>       | la l     | 12.60,04 |          |          |  |  |              |                    |                 |          |          | <u>a</u> | ınal     |  |              |           |          |               |          |          |          |          |          | <del>a</del> | nal        |          |         |         |         |         |  |          |          |
| Final         | Original | 2        |          |          |  |  |              |                    |                 |          |          | Final    | Original |  |              |           |          |               | ĺ        |          |          |          |          | Final        | Original   | ı        |         |         |         |         |  |          |          |
| 1             | 1        | =        | H        | _        | _  | -  | -            |                    | $\dashv$        | 4        | -        |          | 51       | <u> </u>                                     |              | _         |          |               | -        | -        | -        | _[       | -        |              | 101        | -        | -       | +       | +       | - -     | <u> </u>                               |          |          |
| 2             | 2        | =        | $\vdash$ |          | ┢  | -  | -            |                    | -               | $\dashv$ | ┝        |          | 52       |  |              | $\dashv$  |          | $\dashv$      | -        | -        | -        | $\dashv$ | 1        |              | 102        | -        | +       | +-      | +       | +-      | ┼                                      | -        | _        |
| 3             | 3        | =        |          | -        | ╁╴   | <del> </del>                                     | $\vdash$     | $\vdash$           | $\dashv$        | ᅱ        | <u> </u> |          | 53       | -  |              | $\exists$ |          | $\dashv$      | $\dashv$ | +        | 一        | $\dashv$ | ┢        |              | 103        | $\dashv$ | +       | +       | ╁       | _       | $\vdash$                               | _        |          |
| 4             | 4        | =        | 1        | _        | <del>                                     </del> | ┢  | $\vdash$     |                    |                 | ᅥ        |          |          | 54       |  |              |           |          | $\dashv$      | 一        | 1        | 1        | $\neg$   | -        |              | 104        |          | $\top$  | +       | ╅       | $\top$  | 1                                      |          |          |
| 5             | 5        | =        |          |          |  | Г  |              |                    |                 | $\neg$   |          |          | 55       |  |              |           |          | $\exists$     | $\neg$   | $\neg$   | $\neg$   | $\neg$   |          |              | 105        |          | 1       | $\top$  | 1       |         |  |          |          |
| 6             | 6        | =        |          |          |  |  | Π            |                    |                 |          |          |          | 56       |  |              |           |          |               |          |          |          |          |          |              | 106        |          |         |         |         |         |  |          |          |
| 7             | 7        | =        |          |          |  |  |              |                    |                 |          |          |          | 57       |  |              |           |          |               |          | $\Box$   |          |          |          |              | 107        |          |         |         |         |         |  |          |          |
| 8             | 8        | =        |          | _        | <u> </u>   | <u> </u>   | _            | Ш                  | Ш               | _        | L        |          | 58       | <u> </u>                                     |              | $\Box$    |          | $\dashv$      | _        | _        | _        | _        | L        |              | 108        | _        | $\perp$ | _       | $\perp$ | $\perp$ | <u> </u>                               |          |          |
| 9             | 9        | =        |          |          | ▙  | ┞  | _            |                    | $\square$       | _        | -        |          | 59       | <u> </u>                                     |              | _         |          | $\rightarrow$ | $\dashv$ |          | -        | _        | ┝        |              | 109        | -        | 4       | +       | +       | _       | ╀                                      |          |          |
| 10            | 10       | =        | <u> </u> | -        | <del> </del>                                     | ├  | ├_           | -                  | $\vdash$        | $\dashv$ | -        |          | 60       | -  |              | -         |          | -             |          | -        | -        | -        | ┝        |              | 110        | -        | +       | +       | +       | +       | ┿                                      |          |          |
| 11<br>12      | 11<br>12 | =        | $\vdash$ | -        | -  | $\vdash$   | $\vdash$     | $\vdash$           | $\vdash \vdash$ | $\dashv$ |          | _        | 61<br>62 |  | $\vdash$     | $\vdash$  | $\vdash$ | $\dashv$      | $\dashv$ | $\dashv$ | $\dashv$ | -        | ŀ        |              | 111<br>112 | +        | +       | +       | +       | +       | +-                                     | -        |          |
| 13            | 13       | =        | $\vdash$ |          | $\vdash$   | $\vdash$   |              | H                  | $\vdash$        | $\dashv$ | -        |          | 63       | $\vdash$                                     | $\vdash$     | $\dashv$  | $\vdash$ | $\dashv$      | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\vdash$ | _            | 113        | +        | +       | +       | +       | +       | ╁                                      | -        | $\vdash$ |
| 14            | 14       | =        | $\vdash$ | $\vdash$ | $\vdash$   | 一  | $\vdash$     | $\vdash$           | $\vdash$        | $\dashv$ |          |          | 64       | $\vdash$                                     | $\vdash$     | $\dashv$  | $\vdash$ | $\dashv$      | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\vdash$ | _            | 114        | $\dashv$ | +       | +       | +       | +       | +                                      | -        | -        |
| 15            | 15       | =        |          |          | ╁  | ├  | $\vdash$     |                    |                 | ╗        |          |          | 65       |  |              |           |          | _             | _        | _        | $\neg$   | $\dashv$ | 上        |              | 115        |          | $\top$  | +       | +       | +       | T                                      |          |          |
| 16            | 16       | =        |          |          |  | $\vdash$   |              | Ι.,                |                 | $\neg$   |          |          | 66       |  |              |           |          |               |          | $\neg$   |          | $\neg$   | r        | -            | 116        |          |         |         | T       | T       | T                                      |          |          |
| 17            | 17       | =        |          |          | Ī  |  |              |                    |                 |          |          |          | 67       | Г  |              |           |          |               |          |          |          | $\neg$   |          |              | 117        |          |         | T       | 1       |         |  |          |          |
| 18            | 18       | Ξ        |          |          |  |  |              |                    |                 |          |          |          | 68       |  |              |           |          |               |          |          |          |          |          |              | 118        |          |         |         |         | Τ       |  |          |          |
| 19            | 19       | =        |          |          |  |  |              |                    |                 |          |          |          | 69       |  |              |           |          |               |          |          |          |          |          | _            | 119        |          |         |         |         |         |  |          |          |
| 20            | 20       | =        |          |          |  |  |              | $oxedsymbol{oxed}$ | Ш               |          |          |          | 70       |  |              |           |          |               |          |          |          |          |          |              | 120        |          | $\perp$ |         | $\perp$ | _       | <u> </u>                               | _        |          |
| 21            | 21       | =        |          |          | _  | 匚  | <u> </u>     |                    | Ш               | _        | L        |          | 71       | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$ |              |           |          | $\Box$        | _        | _        | _        | _        | L        |              | 121        |          | $\perp$ | 4       | 1       | 4       | ↓_                                     | _        |          |
| 22            | 22       | =        |          | _        | <b>!</b>   | ╙  | <u> </u>     | _                  |                 | _        | L        |          | 72       | <u> </u>                                     |              |           |          |               | 4        | _        | 4        | _        | -        |              | 122        |          | 4       | _       | 4       | 4       | ↓_                                     | <u> </u> | _        |
| 23            | 23       | =        | _        | _        | <u> </u>   | ┝  | ļ.           | L                  | Н               | 4        | -        |          | 73       |  | _            |           |          |               | _        |          |          | -        | -        |              | 123        |          | +       | +       | +       | +       | ╀                                      | _        |          |
| 24<br>25      | 24<br>25 | =        | _        | _        | <b> </b>   | ├-   | <u> </u>     | <u> </u>           | Н               | -        | _        |          | 74<br>75 | _  |              | _         |          |               |          | +        | -        | $\dashv$ | -        |              | 124<br>125 |          | +       | +       | +       | +       | $\vdash$                               | $\vdash$ | $\vdash$ |
| 26            | 26       | =        | -        | -        | ┝  | -  | ┢            | -                  | $\vdash$        |          | -        |          | 76       | _  | _            | _         | -        | -             |          | -        |          | $\dashv$ | $\vdash$ |              | 126        | -        | +-      | +       | +       | +-      | ╁                                      | -        | -        |
| 27            | 27       | =        | -        |          | ┢  | ⊢  | ╁            | $\vdash$           | Н               | $\dashv$ | -        |          | 77       | -  |              |           |          | -             | $\dashv$ | 十        | $\dashv$ | -        | -        | _            | 127        |          |         | +-      | ┿       | ╅╴      | ╁                                      |          | -        |
| <del></del> - | 28       | ┢        | -        | _        | <u> </u>   | -  | ╁╌           | $\vdash$           | -               | ᅱ        | ŀ        |          | 78       | _  | _            |           | Н        |               | _        | -        | -        | $\dashv$ | ┢        |              | 128        | -        | +       | +       | +       | +       | $\vdash$                               | -        |          |
| <u> </u>      | 29       | $\vdash$ | $\vdash$ |          | T  |  |              | $\vdash$           | П               | $\neg$   | ı        |          | 79       |  |              |           |          |               | 寸        | 寸        | 7        | $\neg$   | 上        |              | 129        |          | +       | +       | +       | 1       | 1                                      | -        | _        |
|               | 30       |          |          |          | П  |  |              | $\vdash$           |                 | ╗        | ľ        |          | 80       | $\vdash$                                     |              |           |          |               |          |          |          | $\neg$   |          |              | 130        |          |         | $\top$  | 1       |         |  |          |          |
|               | 31       |          |          |          |  |  |              |                    |                 |          |          |          | 81       |  |              |           |          |               |          |          |          |          |          |              | 131        |          |         |         |         |         |  |          |          |
|               | 32       |          |          |          |  |  |              |                    |                 |          |          |          | 82       |  |              |           |          |               |          |          |          |          |          |              | 132        |          |         |         |         |         |  |          |          |
|               | 33       |          | Ш        |          | <u> </u>   | _  |              | $oxed{oxed}$       | Щ               | _[       | L        |          | 83       | <u> </u>                                     |              |           |          |               |          | _        | _        | _        | L        |              | 133        | $\perp$  | $\perp$ | $\perp$ | ┸       |         |  |          |          |
| <u> </u>      | 34       | ├        | <u> </u> | _        | <u> </u>   | <del>                                     </del> | <del> </del> | <u> </u>           | $\vdash$        |          | -        |          | 84       | <u> </u>                                     | L.,          |           | Ш        | _             | _        | _        | _        | _        | F        |              | 134        | $\dashv$ | 4       | +       | +       | +-      | ┼                                      | <u> </u> | <u> </u> |
| <u> </u>      | 35       |          | $\vdash$ |          | <u> </u>   |  | -            |                    | $\vdash \vdash$ | {        | -        |          | 85       | <u> </u>                                     | -            | _         | $\vdash$ | $\dashv$      |          |          |          | ┦,       | .  -     |              | 135        | +        | +       | +       | +       | +-      | +-                                     |          | <u> </u> |
| <u> </u>      | 36<br>37 | $\vdash$ | -        | _        | -  | -  | -            | $\vdash$           | $\vdash$        | $\dashv$ |          |          | 86<br>87 | -  | $\vdash$     | $\vdash$  | Н        |               | -        |          |          | $\dashv$ | -        |              | 136<br>137 | +        | +       | +       | +       | +-      | ╁                                      |          | H        |
|               | 38       | $\vdash$ | $\vdash$ |          |  | <del> </del>                                     | $\vdash$     | +-                 | $\vdash$        | 긕        | -        |          | 88       |  | <del> </del> | $\vdash$  | Н        |               | $\dashv$ |          | $\dashv$ | $\dashv$ | $\vdash$ |              | 138        | +        | +       | +       | +       | +       | +                                      | $\vdash$ | -        |
| <del></del>   | 39       | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$   | 1  | -            | <del> </del>       | $\vdash$        | 一        | -        | _        | 89       | -  | $\vdash$     | $\vdash$  | $\vdash$ | $\dashv$      | $\dashv$ | -        | $\dashv$ | $\dashv$ | -        | -            | 139        | +        | +       | +       | +       | +       | +                                      | $\vdash$ |          |
| <b></b>       | 40       | H        | $\vdash$ | Н        | $\vdash$   |  |              | $\vdash$           | H               | $\dashv$ | H        | -        | 90       | <u> </u>                                     | $\vdash$     | $\vdash$  | H        | $\dashv$      | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ |              | 140        | +        | +       | +       | +       | +       | t                                      | Η-       | Н        |
|               | 41       | Т        | Н        | -        | H  | $\vdash$   |              | $\vdash$           | $\vdash$        | ᅱ        | -        |          | 91       |  | $\vdash$     |           | Н        | $\neg$        | 7        | $\dashv$ | $\dashv$ | $\dashv$ | 卜        |              | 141        | $\dashv$ | $\top$  | +       | $\top$  | $\top$  | T                                      | $\vdash$ | П        |
|               | 42       | $\vdash$ | $\Box$   | Т        | $I^-$  |  | <u> </u>     |                    |                 | ヿ        |          |          | 92       |  |              |           |          |               | 7        | 7        | $\neg$   |          | r        |              | 142        | _        | 1       | T       | T       | $\top$  |  | Г        |          |
|               | 43       |          |          |          |  |  |              |                    |                 |          |          |          | 93       |  |              |           |          |               |          |          |          |          |          |              | 143        |          | ╧       |         | I       |         |  |          |          |
|               | 44       |          |          |          |  |  |              |                    |                 |          |          |          | 94       |  |              |           |          |               |          |          |          |          |          |              | 144        |          | I       |         | 1       |         |  |          |          |
|               | 45       |          |          |          |  |  |              |                    |                 |          |          |          | 95       |  |              |           |          |               |          |          |          |          |          |              | 145        |          |         |         |         |         |  |          |          |
|               | 46       | L        | Ш        |          |  | <u> </u>   | _            | igsquare           |                 | ]        |          |          | 96       |  |              |           |          | Ц             | _[       | [        | $\perp$  | _        |          |              | 146        |          | $\perp$ | 1       | 1       | _       | _                                      |          |          |
|               | 47       | $\vdash$ |          | _        | <u> </u>   | <u> </u>   | _            | <u> </u>           | Щ               |          | L        |          | 97       | <u> </u>                                     | _            |           | Ш        | $\sqcup$      | 4        | _        | _        | _        | L        |              | 147        |          | 4       | 4       | $\perp$ | 4       | ــــــــــــــــــــــــــــــــــــــ | <u> </u> | L        |
|               | 48       | ├-       | Щ        | _        | <u> </u>   | <u> </u>   | $\vdash$     | <del> </del> _     | $\vdash \vdash$ | _        | -        |          | 98       | <u> </u>                                     | _            |           | Ш        | $\square$     | 4        | _        | -        | $\dashv$ | -        |              | 148        | _        | 4       | +       | 4       | +       | +                                      | <u> </u> | <u> </u> |
| ļ             | 49<br>50 |          | -        | _        | Ь.   | ├  | ļ            | -                  |                 | $\dashv$ | -        |          | 99       | <u> </u>                                     | $\vdash$     |           | Ш        |               | 4        |          |          | $\dashv$ | -        |              | 149<br>150 | -        | +       | +       | +       | +       | +                                      |          |          |
| L             | 1 30     | <u> </u> | Ь        | Ц.       | Щ.   |  | <u> </u>     | Ц_                 | Ш               |          | L        |          | 100      | <u>L</u> _                                   | <u> </u>     |           |          |               |          | $\perp$  |          |          | L        |              | 130        |          | Щ.      | Щ.      | Д.      |         | 1                                      | <u> </u> | <u> </u> |